Listing of Claims

This listing of claims is proposed to replace all prior versions, and listings, of claims in the application:

Claims 1-57. (Canceled)

58. (Currently Amended) [[The]] A method of ~~claim 57~~ determining buffer management information for a data processing system, comprising:

determining a maximum amount of time that access to a local memory to obtain data to supply a display FIFO buffer memory may be delayed;

determining a drain rate at which data is to be drained from the display FIFO buffer memory based on a display mode supported by a graphics processor;

calculating a watermark value based on at least the maximum amount of time and the drain rate, wherein calculating the watermark value comprises multiplying the maximum amount of time and the drain rate; and

making the watermark value available for management of the display FIFO buffer memory.

59. (Previously Presented) The method of claim 58, wherein the watermark value further comprises subtracting the

product of the maximum amount of time and the drain rate from the size of the display FIFO buffer memory.

60. (Previously Presented) A method of determining buffer management information for a data processing system, comprising:

determining a maximum amount of time that access to a local memory to obtain data to supply a display FIFO buffer memory may be delayed;

determining a drain rate at which data is to be drained from the display FIFO buffer memory based on a display mode supported by a graphics processor;

calculating a burst length value based on at least the maximum amount of time and the drain rate; and

making the burst length value available for management of the display FIFO buffer memory.

61. (Previously Presented) The method of claim 60, wherein:

λ_{min} comprises the product of the maximum amount of time and the drain rate;

Φ comprises the size of the display FIFO buffer memory;

δ comprises the drain rate; and

calculating the burst length value comprises performing the following operation:

$$\lambda_{min} \times \left(\frac{\varphi}{\varphi - \delta} \right) .$$

62. (Previously Presented) The method of claim 60, wherein calculating the burst length value comprises subtracting the result of the performed operation from the size of the display FIFO buffer memory.